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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/645,208

08/21/2003

Frans Tuomela

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09/07/2006

BERKELEY LAW & TECHNOLOGY GROUP
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EXAMINER

FIGUEROA, MARISOL

ART UNIT

PAPER NUMBER

2617

DATE MAILED: 09/07/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/645,208

Applicant(s)

TUOMELA ET AL.

Examiner

Marisol Figueroa

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 August 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on August 14, 2006 has been entered.

Response to Arguments

2. Applicant's arguments with respect to claims 1 and 11 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. **Claims 1-4, 6-9, 11-14, 17 and 18** are rejected under 35 U.S.C. 102(b) as being anticipated by JONSSON et al. (US 5,903,833).

Regarding claim 1, Jonsson discloses a method for setting up redirection of contacts coming to a terminal to at least on other communication system, comprising:

sending a proposal to the terminal of an address of said at least one other communication system by utilizing a data transmission connection set up between the terminal and a first

Art Unit: 2617

communication system to be accepted and/or to activate the redirection, wherein the proposal comprises possible call forward targets of the at least one other communication system outside a home network of the terminal (Figs. 1-3; col. 4, line 58- col. 5, lines 1-18; col. 6, lines 25-45, 63-67; col. 7, lines 1-19; a mobile telephone 222 communicates via short distance communications with a registration device 226 associated with a plurality of fixed telephones, i.e., the other communication system, which causes the mobile telephone to receive a list of fixed telephones, i.e., call forward targets, for display to the user in order for the user to select one and transfer any incoming call to the selected fixed telephone); and

if the proposal is accepted, automatically setting up a redirection of calls to the terminal to the at least one other communication system (col. 7, lines 8-19).

Regarding claim 2, Jonsson discloses the method according to claim 1, wherein the at least one other communication system is located outside the coverage area of the first communication system (Figs. 1-2; col. 4, line 58- col. 5, lines 1-18; the fixed network is a network outside the mobile telephone network).

Regarding claim 3, Jonsson discloses the method of claim 1, wherein the data transmission connection comprises a short-range wireless data transmission connection (col. 6, lines 25-45; the mobile telephone communicates with the registration device via a short distance wireless link such as a low power transmitter of a infrared light transmitting device).

Regarding claim 4, Jonsson discloses the method according to claim 1, wherein the terminal comprises means for performing mobile communication (col. 4, lines 28-31; col. 6, lines 25-29; the terminal is a mobile telephone therefore it is inherent it has means for performing mobile communication).

Regarding claim 6, Jonsson discloses the method according to claim 1, wherein the received contacts are directed to the other communication system depending at least in part on a parameter (col. 5, lines 58 - col. 5, lines 1-18; col. 7, lines 5-19; the calls are forwarded to a fixed telephone upon the preference of the user of receiving calls to a particular fixed telephone).

Regarding claim 7, Jonsson discloses the method according to claim 1, wherein a contact leaving another terminal and aimed at the terminal is directed to the at least one other communication system (col. 5, lines 58 - col. 5, lines 1-18; col. 7, lines 5-19; the calls directed to the mobile terminal are transferred to a fixed telephone upon selection of a fixed telephone by the user).

Regarding claim 8, Jonsson discloses the method according to claim 1, wherein the parameter is determined from the terminal that is the actual target of the contact (col. 5, lines 58 - col. 5, lines 1-18; col. 7, lines 5-19; the user selects or prefers a fixed telephone according to the characteristics of the fixed telephone, for example the less costly alternative).

Regarding claim 9, Jonsson discloses the method according to the claim 1, wherein the data connected to the redirection is transmitted to another terminal (col. 7, lines 8-19; calls directed to the mobile telephone are redirected to a chosen fixed telephone device).

Regarding claim 11, Jonsson discloses a system which comprises;

a first communication system capable of being coupled to a first terminal via a data transmission connection (Fig. 3; col. 5, lines 4-18; col. 6, lines 25-45; a mobile telephone establishes communication with a registration device, i.e., first communication system, via a short distance link),
and

wherein a contact directed to the first terminal is capable of being directed to at least one other communication system (col. 6, line 63 – col. 7, lines 1-19; a call directed to the mobile telephone can be transferred to a fixed telephone network),

wherein the data transmission connection is capable of transmitting an address of the at least one other communication system as a proposal to the first terminal (col. 6, lines 25-45, 63-66; the registration device communicates to the mobile terminal, via the short range link, a registration identity code, i.e., address, which is associated with a plurality of fixed telephone devices to which calls can be forwarded),

wherein the proposal comprises possible call forward targets of the at least one other communication system outside a home network of the terminal (col. 6, line 63 – col. 7, lines 1-8; a list of fixed telephone devices, i.e., call forward targets, is associated with identity code of the registration device), said first communication system being capable of automatically setting up redirection of calls to the terminal to the at least one other communication system if the proposal is accepted (col. 7, lines 5-19; incoming calls to the mobile telephone are forwarded to a selected fixed telephone device).

Regarding claim 12, Jonsson discloses the system according to claim 11, wherein the at least one other communication system is located outside the coverage area of the first communication system (Figs. 1-2; col. 4, line 58- col. 5, lines 1-18; the fixed network is a network outside the mobile telephone network).

Regarding claim 13, Jonsson discloses the system according to claim 11, wherein the data transmission connection comprises a short-range wireless data transmission connection (col. 6, lines 25-45; the mobile telephone communicates with the registration device via a short distance wireless link such as a low power transmitter of a infrared light transmitting device).

Regarding claim 14, Jonsson discloses the system according to claim 11, wherein the terminal comprises means for performing mobile communication (col. 4, lines 28-31; col. 6, lines 25-

Art Unit: 2617

29; the terminal is a mobile telephone therefore it is inherent it has means for performing mobile communication).

Regarding claim 17, Jonsson discloses the system according to claim 11, wherein, in addition, the system comprises means for directing the contact to the at least one other communication system based at least in part on a parameter (col. 5, lines 58 - col. 5, lines 1-18; col. 7, lines 5-19; a service node forward the calls to a fixed telephone upon the preference of the user, i.e. parameter, of receiving calls to a particular fixed telephone).

Regarding claim 18, Jonsson discloses the system according to the claim 11, wherein, in addition, the system comprises means for transmitting the data connected to the redirection is transmitted to another terminal (col. 7, lines 8-19; the service node redirects the calls coming to the mobile terminal to a chosen fixed telephone device).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. **Claim 5 and 15** are rejected under 35 U.S.C. 103(a) as being unpatentable over JONSSON et al. in view of LINDBERG et al. (US 2003/0140145 A1).

Regarding claim 5, Jonsson discloses the method of claim 1, but doesn't expressly disclose wherein the terminal functions in an IP based multimedia system (IMS). However, Lindberg teaches that the introduction of IP technology multimedia services has increased the number of

Art Unit: 2617

ways to communicate (P.0018). Therefore, a person of ordinary skill in the art would have been motivated, to include a terminal that functions in an IP multimedia system, as suggested by Lindberg, because an IP multimedia system provides the establishment of different types of communications, for example: text chat, speech, plain video telephony, etc.

Regarding claim 15, Jonsson discloses the system of claim 11, but doesn't expressly disclose wherein the terminal is arranged to function in an IP based multimedia system (IMS). However, Lindberg teaches that the introduction of IP technology multimedia services has increased the number of ways to communicate (P.0018). Therefore, a person of ordinary skill in the art would have been motivated, to include a terminal that functions in an IP multimedia system, as suggested by Lindberg, because an IP multimedia system provides the establishment of different types of communications, for example: text chat, speech, plain video telephony, etc.

7. **Claims 10 and 16** are rejected under 35 U.S.C. 103(a) as being unpatentable over JONSSON et al. in view of GOSS et al. (US 2002/0137498).

Regarding claim 10, Jonsson discloses the method according to claim 1, but doesn't expressly disclose wherein the deactivation of redirection is automatic when the terminal is switched on or at the latest after a certain time. However, this feature is well known in the art and Goss is evidence of the fact. Goss teaches a method for automatic call forwarding when a mobile unit goes out of service, e.g. mobile unit is powered off, and later when the mobile unit comes into service, e.g. powering on or entering an effective wireless coverage area of a wireless network, automatic call forwarding is deactivated (p.0006; p.0010-0011).

Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention, to deactivate redirection automatically when a terminal is switched-on, as suggested by Jonsson, in order to overcome the problems of manually deactivating call redirection.

Regarding claim 16, Jonsson discloses the system according to claim 11, but doesn't expressly disclose wherein the terminal comprises means for automatically deactivating the redirection. However, this feature is well known in the art and Goss is evidence of the fact. Goss discloses a method for automatic call forwarding when a mobile unit goes out of service, e.g. mobile unit is powered off, and later when the mobile unit comes into service, e.g. powering on or entering an effective wireless coverage area of a wireless network, automatic call forwarding is deactivated (p.0006; p.0010-0011). Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention, to provide automatic deactivation of redirection, as suggested by Goss, in order to overcome the problems of manually activating and deactivating call redirection, thus lowering the number of missed calls.

Prior Art of Record

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

(a) PETERS et al. (US 6,590,969 B1) – Method to route an incoming call, telecommunication terminal, and destination terminal arrangement

(b) WILL (US 5,970,388) – Wireless system for indicating an incoming telephone call and controlling its transfer.

(c) BOYER et al. (US 2004/0102188 A1) – Automatic call forwarding on airplanes.

(d) De LOYE et al. (US 2002/0115471 A1) – Method for handling calls received at a wireless mobile terminal.

Art Unit: 2617

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marisol Figueroa whose telephone number is (571) 272-7840. The examiner can normally be reached on Monday Thru Friday 8:30 a.m. - 5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester G. Kincaid can be reached on (571) 272-7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


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